TEST RESULTS OF STEEL

Lab ID	:	**CP-2017-08-04-03** **Date: 06-08-17**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Bangalore.
Address	:	Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Construction of CC Drains left side of the 1st main road Dasarahalli in Ward no.15 Dasarahalli Sub division.
Agency	:	Sri. N. Shivananda, No.35, 2nd Cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/99/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-08-17
Sample ID No	:	2017-08-04-03/01
Sample Type	:	Sunvik TMT Steel
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	05-08-17

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik TMT Steel	Fe500	8	0.392	542	672	20.0%	Satisfactory	Satisfactory
2	Sunvik TMT Steel	Fe500	10	0.612	568	685	20.0%	Satisfactory	Satisfactory

Note:

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Quality Manager

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End of Report

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2017-08-04-03**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Bangalore.
Address	:	Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Construction of CC Drains left side of the 1st main road Dasarahalli in Ward no.15 Dasarahalli Sub division.
Agency	:	Sri. N. Shivananda, No.35, 2nd Cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/99/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-08-17
Sample ID No	:	2017-08-04-03/02
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	04/08/2017

Date: 08-08-17

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(mm)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.11	100.49	1.978	4430	80.9	18.3	17.0	21.2
2	Cover Slab-2	75.25	100.51	1.957	4447	82.3	18.5	17.2	21.5
3	Cover Slab-3	75.08	100.51	1.938	4426	81.5	18.4	17.1	21.4

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TEST REPORT OF CEMENT CONCRETE KERB STONE

Lab ID	:	**CP-2017-08-04-03** **Date: 06-05-17**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Bangalore.
Address	:	Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Construction of CC Drains left side of the 1st main road Dasarahalli in Ward no.15 Dasarahalli Sub division.
Agency	:	Sri. N. Shivananda, No.35, 2nd Cross, 1st A main road, Defiance colony, Bagalagunte,
Customer's Reference	:	EE/DD/WO/99/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	04-08-17
Sample ID No	:	2017-08-04-03/03
Sample Type /Size	:	CC Kerb Stone/ 450*165*400mm
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	02/05/2017

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
1	A	100.31	165.12	8.785	7901	128.9	16.3	15.2	19.0
2	B	100.45	165.36	8.812	7923	136.4	17.2	17.2	21.5
3	C	100.72	165.44	8.768	7966	134.5	16.9	16.9	21.1

Note:

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-08-01-01** **Date: 04-08-17**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Bangalore.
Address	:	Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Construction of CC Drains left side of the 1st main road Dasarahalli in Ward no.15 Dasarahalli Sub division.
Agency	:	Sri. N. Shivananda, No.35, 2nd Cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/99/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-08-17
Sample ID No	:	2017-08-01-01/01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	02-08-17

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.85	–
2	Finess by Air permeablity method (m^2/kg, Min)	279.5	225m^2/kg, Min
3	Density (gm/cc)	3.28	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	180 minutes	Not less than 30 minutes
6	Final Setting time	265 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

Note:

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2017-08-01-01** **Date: 30-08-17**
Customer	:	Assistant Executive Engineer, Dasarahalli Sub division, BBMP, Bangalore.
Address	:	Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Construction of CC Drains left side of the 1st main road Dasarahalli in Ward no.15 Dasarahalli Sub division.
Agency	:	Sri. N. Shivananda, No.35, 2nd Cross, 1st A main road, Defiance colony, Bagalagunte, Bangalore.
Customer's Reference	:	EE/DD/WO/99/17-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-08-17
Sample ID No	:	2017-08-01-01/01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	02-08-17

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	37.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	54.5N/mm^2	Not less than 53 N/mm^2

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